



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 2962.10US02

Sawhney

Confirmation No.: 9525

Application No.: 10/616,055

Examiner: Unknown

Filed: July 9, 2003

Group Art Unit: 1615

For: METHODS OF USING IN SITU HYDRATION OF HYDROGEL ARTICLES FOR  
SEALING OR AUGMENTATION OF TISSUE OR VESSELS

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

The Examiner's attention is directed to co-pending U.S. Patent Application No. 09/134,199, filed August 14, 1998, which is directed to related subject matter. The identification of this U.S. patent application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

This application was filed after June 30, 2003; therefore, copies of cited U.S. patents and U.S. published applications are not included.

Respectfully submitted,



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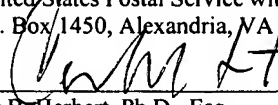
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Curtis B. Herbert, Ph.D., Esq.



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/616,055
Filing Date	July 9, 2003
First Named Inventor	Sawhney
Art Unit	1615
Examiner Name	Unknown
Attorney Docket Number	2962.10US02

Sheet 1 of 5

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
		US-3,992,562	11-16-1976	Denzinger et al.
		US-3,640,741	02-08-1972	Etes
		US-3,865,105	02-11-1975	Lode
		US-3,975,350	08-17-1976	Hudgin et al.
		US-3,991,766	11-16-1976	Schmitt et al.
		US-4,001,391	01-04-1977	Feinstone et al.
		US-4,002,173	01-11-1977	Manning et al.
		US-4,014,335	03-29-1977	Arnold
		US-4,207,893	06-17-1980	Michaels
		US-4,351,922	09-28-1982	Yoshida et al.
		US-4,369,229	01-18-1983	Shah
		US-4,509,504	04-09-1985	Brudin
		US-4,741,872	05-03-1988	Deluca et al.
		US-4,826,945	05-02-1989	Cohn et al.
		US-4,938,763	07-03-1990	Dunn et al.
		US-5,090,955	02-25-1992	Simon
		US-5,090,995	02-25-1992	Kubota et al.
		US-5,100,992	03-31-1992	Cohn et al.

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		US-5,104,909	04-14-1992	Grasel et al.
		US-5,160,745	11-03-1992	Deluca et al.
		US-5,171,148	12-15-1992	Wasserman et al.
		US-5,198,220	03-30-1993	Damani
		US-5,324,775	06-28-1994	Rhee et al.
		US-5,341,993	08-30-1994	Haber et al.
		US-5,368,563	11-29-1994	Lonneman et al.
		US-5,410,016	04-25-1995	Hubbell et al.
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		US-5,522,898	06-04-1996	Bao
		US-5,580,923	12-03-1996	Yeung et al.
		US-5,605,541	02-25-1997	Holm

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		US-5,624,685	04-29-1997	Takahashi et al.
		US-5,645,583	07-08-1997	Villain et al.
		US-5,668,236	09-16-1997	Engelhardt et al.
		US-5,688,855	11-18-1997	Stoy et al.
		US-5,698,213	12-16-1997	Jamiolkowski et al.
		US-5,714,159	02-03-1998	Shalaby
		US-5,786,439	07-28-1998	Van Antwerp et al.
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		US-6,063,061	05-16-2000	Wallace et al.
		US-6,100,346	08-08-2000	Jamiolkowski et al.
		US-6,166,130	12-26-2000	Rhee et al.
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**NON PATENT LITERATURE DOCUMENTS**

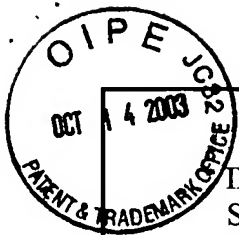
EXAMINER INITIAL*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		ABUSAFIEH, A. ET AL., "Development of Self-Anchoring Bone Implants. I. Processing and Material Characterization," J. Biomat. Mater. Res., (Appi. Biomater.), 38:314-327 (1997).	
		BHATIA, S. ET AL., "The Effect of Site of Implantation and Animal Age on Properties of Polydioxanone Pins," J. Biomater. Sci., Polymer. Edn., Bamford, C.H. et al., eds., 6(5): 435-446 (1994).	
		BRUNDIN, J., "Hydrogel Tubal Blocking Device: P-Block," Female Transcervical Sterilization, Zatuchni, G.I. et al., eds., Harper & Row, Philadelphia, Pennsylvania, 240-244 (1982).	
		CHISHOLM, ET AL., "Fibrin Sealant as a Plug for the Post Liver Biopsy Needle Track," Clinical Radiology, 40(6):627-628 (1989).	
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		Handbook of Common Polymers, compiled by Roff, W.J. et al., CRC Press, Cleveland, Ohio.	
		JARRETT ET AL., "Bioabsorbable Hydrogel Tissue Barrier: In Situ Gelation Kinetics," Soc. for Biomater., Transactions of 21 st Annual Meeting: 182 (1995).	
		Medicinal Chemistry, 3rd Ed., Parts 1 and 2, Burger, A., ed., Wiley-Interscience.	
		NAGAOA, ET AL., "Interaction Between Blood Components and Hydrogels with Poly(oxyethylene) Chains," Polymers As Biomaterials, Shalaby, S.W. et al., eds., Plenum Press, New York, 361-374 (1984).	
		OKANO, ET AL., "Effect of Hydrophilic and Hydrophobic Microdomains on Mode of Interaction Between Block Polymer and Blood Platelets," J. Biomed. Mats. Research. 15:393-402 (1981).	

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## NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		PARK, "Enzyme-Digestible Swelling Hydrogels as Platforms for Long-Term Oral Drug Delivery: Synthesis and Characterization," Biomaterials, 9:435-441 (1988).	
		Remington's Pharmaceutical Sciences, 14th Ed., I.E. Hoover et al., eds., Mack Publishing Co., Easton, Pennsylvania (1970).	
		SAWHNEY, ET AL., "Bioerodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly(a-hydroxy acid) Diacrylate Macromers," Macromolecules, 26:581-587 (1993).	
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		SHAH, "Novel Two-Phase Polymer System," Polymer, 28:1212-1216 (1987).	
		SHALABY, "Bioabsorbable Polymers," Encyclopedia of Pharmaceutical Technology, Swarbrick, I. et al., eds., Marcel Dekker, Inc., New York, 1:465-476 (1988).	
		The Drug. The Nurse. The Patient (Including Current Drug Handbook), Falconer's 7th Ed., W.B. Saunders Co., Philadelphia, Pennsylvania (1974).	

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